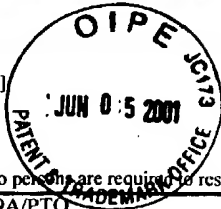


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 of 3

COMPLETE IF KNOWN

Application Number	09/786,078
Confirmation Number	Unknown
Filing Date	2/28/2001
First Named Inventor	D. S. Connor et al.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	7262

U. S. PATENT DOCUMENTS

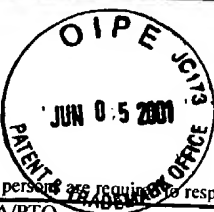
EXAMINER INITIALS*	Cite No. ¹	U.S. PATENT DOCUMENT Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
BPM	01	2,477,382		Lewis	05/04/46	
	02	2,564,072		Lien et al.	08/14/51	
	03	2,985,589		Broughton et al.	05/23/61	
	04	3,196,174		Cohen	07/20/65	
	05	3,201,491		Stine et al.	08/17/65	
	06	3,238,249		Mirviss et al.	03/01/66	
	07	3,291,726		Broughton	12/13/66	
	08	3,312,745		Habeshaw et al.	04/04/67	
	09	3,341,614		Wirth et al.	09/12/67	
	10	3,355,484		Bloch et al.	11/28/67	
	11	3,442,964		Oldham	05/06/69	
	12	3,442,965		Oldham	05/06/69	
	13	3,455,815		Fickel	07/15/69	
	14	3,492,364		Jones et al.	01/27/70	
	15	3,674,885		Griesinger et al.	07/04/72	
	16	3,732,325		Pharis et al.	05/08/73	
	17	3,969,276		Rosback	07/13/76	
	18	4,006,197		Bieser	02/01/77	
	19	4,184,943		Anderson	01/22/80	
	20	4,301,316		Young	11/17/81	
	21	4,301,317		Young	11/17/81	
	22	4,447,664		Murchison et al.	05/08/84	
	23	4,533,651		Masters et al.	08/06/85	
	24	4,587,374		Peters	05/06/86	
	25	4,855,527		Page et al.	08/08/89	
	26	4,870,038		Page et al.	09/26/89	
	27	4,959,491		Threlkel	09/25/90	
	28	4,962,256		Le et al.	10/09/90	
	29	4,973,788		Pelrine	05/05/91	
	30	4,990,718		Hamilton, Jr. et al.	92/26/91	
BPM	31	4,996,386		Blain et al.	06/25/91	
EXAMINER	Brian P. Mark			DATE CONSIDERED 7/8/04		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 2 of 3

COMPLETE IF KNOWN

Application Number	09/786,078
Confirmation Number	Unknown
Filing Date	2/28/2001
First Named Inventor	D. S. Connor et al.
Group Art Unit	Not assigned
Examiner Name	Not assigned
Attorney Docket Number	7262

U. S. PATENT DOCUMENTS

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BPM	32	5,026,933		Blain et al.	06/25/91	
	33	5,087,788		Wu	02/11/92	
	34	5,107,052		McCulloch et al.	04/21/92	
	35	5,171,923		Dickson et al.	12/15/92	
	36	5,196,624		Threlkel et al.	03/23/93	
	37	5,196,625		Threlkel et al.	03/23/93	
	38	5,210,060		Radlowski et al.	05/11/93	
	39	5,220,099		Schreiner et al.	06/15/93	
	40	5,276,231		Kocal et al.	01/04/94	
	41	5,510,564		Raghuram et al.	04/23/96	
	42	5,510,306		Murray	04/23/96	
	43	5,625,105		Lin et al.	04/29/97	
BPM	44	5,780,694		Singleton	07/14/98	

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BPM	45	*WO 88/07030	A2	Chevron	09/22/88		
	46	*WO 95/17961	A2	Shell Oil Co.	07/06/95		Yes
	47	*WO 95/18084	A1	Shell Oil Co.	07/06/95		Yes
	48	*WO 97/01521	A1	Sastech Ltd.	01/16/97		Yes
	49	*WO 97/39087	A1	Procter & Gamble	10/23/97	~ of ZA 95/0005405	Yes
	50	*WO 97/39088	A1	Procter & Gamble	10/23/97		Yes
	51	*WO 97/39090	A1	Procter & Gamble	10/23/97		Yes
	52	*WO 97/39091	A1	Procter & Gamble	10/23/97		Yes
	53	*WO 97/38972	A1	Procter & Gamble	10/23/97		Yes
	54	*WO 97/39089	A1	Procter & Gamble	10/23/97		Yes
	55	*WO 98/23712	A2	Procter & Gamble	06/04/98		Yes
	56	*WO 98/23566	A1	Shell Internationale	06/04/98		Yes
	57	*WO 99/07656	A2	Procter & Gamble	02/18/99		Yes
BPM	58	*JP 49-46124	B4	Nippon Mining Co.	12/07/74		Yes

EXAMINER

Brian P. Mruk

DATE CONSIDERED

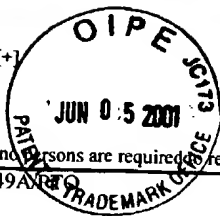
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

SHEET 3 of 3

COMPLETE IF KNOWN

Application Number	09/786,078
Confirmation Number	Unknown
Filing Date	2/28/2001
First Named Inventor	D. S. Connor et al.
Group Art Unit	Not assigned
Examiner Name	Not assigned
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BPM	59	EP 0 364,012	B1	Shell Internationale	04/18/90		yes
	60	EP 0 466,558	A1	Institut Francais Du	01/15/92		Abstract
	61	EP 0 469,940	A1	Institut Francais Du	02/05/92		X
	62	EP 0 559,510	A1	Institut Francais Du	09/08/93		Abstract
	63	EP 0 559,510	B1	Institut Francais Du	01/24/96		NO
	64	EP 0 803,561	A2	Exxon Research	10/29/97		yes
BPM	65	FR 2,697,246	A1	Institut Francais Du	04/29/94		Abstract
	66	SU 793,972	—	Bashkir Che	01/07/81		Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
BPM	67	Chemical Abstracts 83:100693; PAGE 192; DATE UNKNOWN	yes
	68	"Alkylarylsulfonates: History, Manufacture, Analysis and Environmental Properties", Surfactant Science, Vol. 56, Chpt. 2, pp 39-108, Marcel Dekker, NY (1996). NO MONTH GIVEN	yes
	69	"Raw Materials for Anionic Surfactant Synthesis", Surfactant Science Series, Vol. 56, Chpt. 1, pp 1-38, "Anionic Surfactants", Marcel Dekker, N.Y., Ed. W. Linfield (1996). NO MONTH GIVEN	yes
	70	"Petroleum-Based Raw Materials for Anionic Surfactants", Surfactant Science Series, Vol. 7, no "Anionic Surfactants", Part 1, Chpt 2, pp 11-86, Marcel Dekker, N.Y., Ed. W. Linfield (1976). MONTH GIVEN	yes
	71	"Detergent Alkylate", Encyclopedia of Chemical Processing and Design, Marcel Dekker, NY, Eds. Mc.Ketta and Cunningham, pp 266-284 (1982). NO MONTH GIVEN	yes
	72	"Adsorption and Liquid Separation", Kirk Othmer's Encyclopedia of Chemical Technology, 4th. Ed., Vol. 1, pp 583-598. NO DATE GIVEN	yes
	73	"Processing Guide" publication, UOP Corp., Des Plaines, IL. NO DATE GIVEN	yes
	74	Broughton, D.B. et al., "Olefins by Dehydrogenation-Extraction", Technical Paper AM-69-38, Hydrocarbon Processing, Vol. 48, No. 6, p. 115-117 (June 1969); National Petroleum Refiners Association, 1969 Annual Meeting (Mar 23, 1969).	yes
	75	Broughton, D.B. et al., "Two Processes Team Up To Make Linear Monoolefins", Chemical Engineering, p. 86 (Jan 26, 1970).	yes
	76	"Alcohols, Higher Aliphatic", sub-heading "Synthetic Processes" describes an OXO reaction to form detergent alcohols, see especially "Modified Cobalt Catalyst, One-Step, Low Pressure Process" Kirk Othmer's Encyclopedia of Chemical Technology, 4th. Ed., Vol. 1, pp 893-913 (1991). NO MONTH GIVEN	yes
	77	"New Syntheses with Carbon Monoxide", Vol. 11, Chpt. 1, pp. 1-225, Ed. J. Falbe, Springer-Verlag, New York, 1980. NO MONTH GIVEN	yes
BPM	78	"New Syntheses with Carbon Monoxide", Vol. 11, Chpt. 3, pp. 243-308, Ed. J. Falbe, Springer-Verlag, New York, 1980. NO MONTH GIVEN	yes
EXAMINER	Bryan P. Mark		DATE CONSIDERED 7/8/04

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